

REPORT OF CHANNEL CONDITIONS (FOR CHANNELS 400 FEET WIDE OR GREATER)						PAGE 1 OF 2 PAGES		
						DATE 21 May 2019		
<b>TO:</b> The Record				<b>FROM:</b> U.S. Army Corps of Engineers 26 Federal Plaza, ATTN: CENAN-OP-ST New York, NY 10278-0090				
<b>RIVER/HARBOR NAME AND STATE:</b> Newark Bay, Hackensack & Passaic Rivers, NJ; Newark Bay – Main Channel						<b>MINIMUM DEPTHS IN EACH ¼ WIDTH OF CHANNEL ENTERING FROM SEAWARD</b>		
NAME OF CHANNEL	DATE OF SURVEY	AUTHORIZED PROJECT			LEFT OUTSIDE QUARTER (feet)	MID-CHANNEL		RIGHT OUTSIDE QUARTER (feet)
		WIDTH (feet)	LENGTH (nmiles)	DEPTH (feet)		LEFT INSIDE QUARTER (feet)	RIGHT INSIDE QUARTER (feet)	
<b>NEWARK BAY MAIN CHANNEL of Newark Bay, Hackensack &amp; Passaic Rivers Navigation Channels Project</b>								
<b>Reach A – Main Channel South:</b> Begins at the approximate location of RED #2 W/ LIGHT EBB, and ends at a point approximately 150 feet landward of RED #10 W/ LIGHT FLOOD.	File 1002, Pgs 1 - 3 of 8; 26,28 Feb, 1, 11 Mar 2019	1,000 – 2,360	1.28	50	49.0	50.5	50.3	45.5
<b>Reach B – Main Channel Middle (South):</b> Begins at a point approximately 150 feet landward of RED #10 W/ LIGHT FLOOD, and ends at a point approximately 450 feet landward of GREEN CAN #15A FLOOD.	File 1002, Pgs 3 - 4 of 8; 26,28 Feb, 1, 11 Mar 2019	1,655 - 800	0.87	50	44.6	49.4	49.4	37.0
<b>Reach B1 - Main Channel Middle (North):</b> Begins at a point approximately 450 feet landward of GREEN CAN #15A FLOOD, and ends at the approximate location of GREEN CAN #19A FLOOD.	File 1002, Pg 5 of 8; 26,28 Feb, 1, 11 Mar 2019	565-800	0.54	40	36.8	37.7	37.0	25.1
<b>Reach C - Main Channel North:</b> From the approximate location of GREEN CAN #19A FLOOD, to a point approximately 70 feet seaward of RED NUN #2 FLOOD.	File 1002, Pgs 5 - 8 of 8; 26,28 Feb, 1, 11 Mar 2019	500-1,030	1.37	35	15.4	21.6	18.1	6.3
<b>REMARKS:</b> <ul style="list-style-type: none"> <li>All reported depths are relative to Mean Lower Low Water (MLLW) datum.</li> <li>Channel reach lengths are in nautical miles.</li> </ul>								
<b>NEWARK BAY – MAIN CHANNEL</b> <ul style="list-style-type: none"> <li><b>Reach A:</b> Majority of shoaling exists in the Right Outside Quarter, in the first half of this reach and the end of this reach. Sporadic shoaling exists in the Left Outside Quarter. The controlling depth of -45.5 feet MLLW is located in the Right Outside Quarter at approximately 585 feet landward of the beginning of this reach.</li> <li><b>Reach B:</b> The majority of shoaling exists in the Right Outside Quarter, encroaching into the Right Inside and Left Insider Quarters. Sporadic shoaling exists in the Left Outside Quarter, encroaching into the Left Inside Quarter. The controlling depth of -37.0 feet MLLW is located in the Right Outside Quarter at approximately 1,030 feet seaward of the end of this reach.</li> <li><b>Reach B1:</b> Sporadic shoaling exists across all four quarters, beginning from the start of this reach. The controlling depth of -25.1 feet MLLW is located in the Right Outside Quarter at approximately 410 feet landward of the beginning of this reach.</li> </ul>								

- **Reach C:** Majority of this reach contains shoaling along the channel's toe until the N.J. TURNPIKE BRIDGE. Thence sporadic shoaling exists throughout much of all quarters. The controlling depth of -6.3 feet MLLW is located at a point approximately 1,800 feet landward of the LEHIGH VALLEY RAILROAD LIFT BRIDGE at the channel's bend.